Name of Work :IMPROVEMENTS TO ROADS AND DRAINS AT MAHALAKSHMI NAGAR IN WARD NO. 14, DASARAHALLI DIVISION | T DASARAHALLI SUB DIVISION

Estimate Cost:-99.00 Lakhs, | JOB CODE: 014-20-000016

Agency:-Sri M/S TECHNICAL MANAGER (WEST),KARNATAKA RURAL INFRASTRUCTURE DEVELOPMENT LIMITED.NO.280,59TH CROSS,17TH MAIN ROAD,3RD Y BLOCK,RAJAJINAGAR, BANGALORE-560010

Agreement No:- : EE/DD/WO/505 /2019-20 | Date-18/01/2020

DETAILED MEASUREMENTS | Recorded on:- 12/03/2020

Pre measurements

BOQ Item	Description Of item of work	Nos		Measurements			Qty	Unit
				Length	Breath	Depth		
1	2	3	4	5	6	7	8	9
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 (PW,P& IWTD SR 2018-19, Pg No 139 Item No.18.20)							
	DISMANTLING OF DRAIN SLAB							
	4th main road	1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	26.00	1.80	0.10	4.68	
	5th main road	1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	30.00	1.80	0.10	5.40	
		1	1	23.00	1.80	0.10	4.14	
	6th main road L/S	1	1	30.00	1.80	0.10	5.40	
		1	1	24.00	1.80	0.10	4.32	
		1	1	26.00	1.80	0.10	4.68	
		1	1	24.00	1.80	0.10	4.32	
		1	1	26.00	1.80	0.10	4.68	
		1	1	26.00	1.80	0.10	4.68	
		1	1	20.00	1.80	0.10	3.60	
		1	1	30.00	1.80	0.10	5.40	
		1	1	12.00	1.80	0.10	2.16	
	6th main road R/S	1	1	30.00	1.80	0.10	5.40	
		1	1	24.00	1.80	0.10	4.32	
		1	1	26.00	1.80	0.10	4.68	
		1	1	24.00	1.80	0.10	4.32	
		1	1	26.00	1.80	0.10	4.68	
		1	1	26.00	1.80	0.10	4.68	
		1	1	20.00	1.80	0.10	3.60	
		1	1	30.00	1.80	0.10	5.40	
		1	1	12.00	1.80	0.10	2.16	
					Total Qty		**152.10**	**Cum**
24	KSRRB M-100-1 Loading and Unloading of Stone Boulder / Stone aggregate / Sand Kanker / Moorum.KSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per Specifications.MORTH -100 / Chapter 1, (PW,P& IWTD SR 2018-19, Pg No 136, Item No.17.1)							
	Vide Item No 1							
					Total Qty		**152.10**	**Cum**

12/03/20

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SBOQ Item	Description Of item of work	Nos		Measurements			Qty	Unit
				Length	Breath	Depth		
1	2	3	4	5	6	7	8	9
3	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1. 00 km and complete as per specifications. MORTH Specification No.301 (PW,P & IWTD SR 2018-19, Item No.19.14, Page No.143)							
	DESILTING OF DRAINS							
	Sheshadri layout							
	6th cross road L/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	20.00	0.60	0.45	5.40	
	6th cross road R/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	20.00	0.60	0.45	5.40	
	4th cross road R/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	9.00	0.60	0.45	2.43	
	4th cross road L/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	9.00	0.60	0.45	2.43	
	3rd cross road R/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	28.00	0.60	0.45	7.56	
	3rd cross road L/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	28.00	0.60	0.45	7.56	
	Bairaveshwara Nagara							
	5th cross road L/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	18.00	0.60	0.45	4.86	
	5th cross road R/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	18.00	0.60	0.45	4.86	
	1st cross road R/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	
		1	1	15.00	0.60	0.45	4.05	
	1st cross road L/S	1	1	30.00	0.60	0.45	8.10	
		1	1	30.00	0.60	0.45	8.10	

12/03/20

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BBOQ Item	Description Of item of work	Nos		Measurements			Qty	Unit
				Length	Breath	Depth		
1	2	3	4	5	6	7		9
	For New Drian	1	1	30.00	0.60	0.45	8.10	
	5th main 4th cross road	1	1	30.00	0.60	0.45	8.10	
		1	1	15.00	0.60	0.45	4.05	
		1	1	30.00	0.90	1.00	27.00	
		1	1	30.00	0.90	1.00	27.00	
		1	1	21.00	0.90	1.00	18.90	
					Total Qty		445.50	Cum

Assistant Engineer-14

12/03/20

12/03/20

Assistant Executive Engineer
T Dasarahalli Sub- Division
BBMP

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 056

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MEASUREMENTS CONTINUED ON :- 20/03/20

BOQ Item	Description Of item of work	Nos		Measurements			Qty	Unit
				Length	Breath	Depth		
1	2	3	4	5	6	7	8	9
7	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 -do- TMT Bars Fe 500(PW,P& IWTD SR 2018-19, Pg No 229 Item							

SL NO	PARTICULARS	NO	LENGTH	CONSTANT	QTY
	4TH MAIN ROAD				
1	VERTICAL U BAR	1514	2.80	0.62	2628.30
2	STRAIGHT BAR	20	207.00	0.39	1614.60
	5TH MAIN ROAD				
1	VERTICAL U BAR	1484	2.80	0.62	2576.22
2	STRAIGHT BAR	20	204.00	0.39	1591.20
	6TH MAIN ROAD R/S				
1	VERTICAL U BAR	1588	2.80	0.62	2756.77
2	STRAIGHT BAR	20	219.00	0.39	1708.20
	6TH MAIN ROAD R/S				
1	VERTICAL U BAR	1588	2.80	0.62	2756.77
2	STRAIGHT BAR	20	219.00	0.39	1708.20
	5th main 4th cross road				
1	VERTICAL U BAR	678	2.80	0.62	1177.01
2	STRAIGHT BAR	20	82.00	0.39	639.60
	TOTAL QTY IN KGS				**19156.87**
	TOTAL QTY IN TONNES				**19.16** 19.16 TONNE

6	KSRRB M2200-5.12. Providing and laying Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008. i) Upto 5 m height. (PW,P& IWTD SR 2018-19 P-227, I-28.7.12)						
	CC DRAIN-RAFT						
	4th main road	1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	26.00	0.90	0.15	3.51
	5th main road	1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	30.00	0.90	0.15	4.05
		1	1	23.00	0.90	0.15	3.11
	6th main road L/S	1	1	30.00	0.90	0.15	4.05
		1	1	24.00	0.90	0.15	3.24
		1	1	26.00	0.90	0.15	3.51
		1	1	24.00	0.90	0.15	3.24
		1	1	26.00	0.90	0.15	3.51
		1	1	26.00	0.90	0.15	3.51
		1	1	20.00	0.90	0.15	2.70
		1	1	30.00	0.90	0.15	4.05
		1	1	12.00	0.90	0.15	1.62
	6th main road R/S	1	1	30.00	0.90	0.15	4.05
		1	1	24.00	0.90	0.15	3.24

20/03/20

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MEASUREMENTS CONTINUED ON :- 24/03/20

BOQ Item	Description Of item of work	Nos		Measurements					Unit
				Length	Breath		Depth	Qty	
2		3	4	5	6		7	8	9
1	KSRRB M2200-5.12. Providing and laying Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008. i) Upto 5 m height. (PW,P& IWTD SR 2018-19 P-227, I-28.7.12)								
6	CC DRAIN-SIDE WALL								
	4th main road	1	2	30.00	0.75 + 0.70 / 2		0.150	6.53	
		1	2	30.00	0.70 + 0.65 / 2		0.150	6.08	
		1	2	30.00	0.70 + 0.70 / 2		0.150	6.30	
		1	2	30.00	0.70 + 0.60 / 2		0.150	5.85	
		1	2	30.00	0.60 + 0.60 / 2		0.150	5.40	
		1	2	30.00	0.60 + 0.60 / 2		0.150	5.40	
		1	2	26.00	0.60 + 0.80 / 2		0.150	5.46	
	5th main road	1	2	30.00	1.40 + 1.40 / 2		0.150	12.60	
		1	2	30.00	1.30 + 1.30 / 2		0.150	11.70	
		1	2	30.00	1.00 + 0.80 / 2		0.150	8.10	
		1	2	30.00	0.70 + 0.60 / 2		0.150	5.85	
		1	2	30.00	0.60 + 0.60 / 2		0.150	5.40	
		1	2	30.00	0.60 + 0.60 / 2		0.200	7.20	
		1	2	23.00	0.60 + 0.80 / 2		0.200	6.44	
	6th main road R/s	1	2	30.00	0.80 + 0.70 / 2		0.200	9.00	
		1	2	24.00	0.70 + 0.70 / 2		0.150	5.04	
		1	2	26.00	0.60 + 0.70 / 2		0.150	5.07	
		1	2	24.00	0.60 + 0.60 / 2		0.150	4.32	
		1	2	26.00	0.50 + 0.80 / 2		0.150	5.07	
		1	2	26.00	0.80 + 0.80 / 2		0.150	6.24	
		1	2	20.00	0.80 + 0.70 / 2		0.150	4.50	
		1	2	30.00	0.70 + 0.70 / 2		0.150	6.30	
		1	2	12.00	0.70 + 0.70 / 2		0.150	2.52	
	6th main road L/s	1	2	30.00	0.80 + 0.70 / 2		0.150	6.75	

24/03/20

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Description Of item of work	Nos		Measurements Length	Breath			Depth	Qty	Unit
2	3	4	5	6			7		9
	1	2	24.00	0.70	+	0.70	0.150	5.04	
				2					
	1	2	26.00	0.60	+	0.70	0.150	5.07	
				2					
	1	2	24.00	0.60	+	0.60	0.150	4.32	
				2					
	1	2	26.00	0.50	+	0.80	0.150	5.07	
				2					
	1	2	26.00	0.80	+	0.80	0.150	6.24	
				2					
	1	2	20.00	0.80	+	0.70	0.150	4.50	
				2					
	1	2	30.00	0.70	+	0.70	0.150	6.30	
				2					
	1	2	12.00	0.70	+	0.70	0.150	2.52	
				2					
5th main 4th cross road	1	2	30.00	0.70	+	0.65	0.150	6.08	
				2					
	1	2	30.00	0.70	+	0.70	0.150	6.30	
				2					
	1	2	21.00	0.65	+	0.70	0.150	4.25	
				2					
				Sub Qty				208.80	
Qty Vide 6 Page No 7				Sub Qty				125.01	
				Total Qty				333.81	Cum
8 KSRRB M2200-1 Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications. MORTH Specification No.2706 & 2200(PW,P& IWTD SR 2018-19 P-229, I-28.10)									
DRAIN									
4th main road	1	1	130.00	0.15				19.50	
5th main road	1	1	125.00	0.15				18.75	
6th main road R/S	1	1	130.00	0.15				19.50	
6th main road R/S	1	1	130.00	0.15				19.50	
5th main 4th cross road	1	1	65.00	0.15				9.75	
				Total Qty				87.00	Rmtr

24/03/20

Assistant Engineer-14

Assistant Executive Engineer
T Dasarahalli Sub- Division
BBMP

24/3

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 056

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	Description Of item of work	Nos		Measurements				
				Length	Breath	Depth	Qty	Unit
	2	3	4	5	6	7	8	9
		1	1	24.00	0.90		21.60	
		1	1	26.00	0.90		23.40	
		1	1	20.00	0.90		18.00	
		1	1	12.00	0.90		10.80	
					Total Qty		336.50	Sqm
					Limited to Tender Qty.		313.56	Sqm
11	KSRB 15.2.2 : Providing ruled pointing 20 mm deep to stone slab pavements with cement mortar 1:3, 20mm deep, after raking joints nicely lining, including cost of materials, labour, curing complete as per specifications. MORTH / Chapter 3 (PW,P & IWTD SR 2018-19, Item No. 15.8, Page No.115)							
	Sheshadri layout							
	6th cross road L/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	20.00	0.90		18.00	
	6th cross road R/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	20.00	0.90		18.00	
	4th cross road R/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	9.00	0.90		8.10	
	4th cross road L/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	9.00	0.90		8.10	
	3rd cross road R/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	28.00	0.90		25.20	
	3rd cross road L/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	28.00	0.90		25.20	
	Bairaveshwara Nagara							
	5th cross road L/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	18.00	0.90		16.20	
	5th cross road R/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	18.00	0.90		16.20	
	1st cross road R/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	13.00	0.90		11.70	
	1st cross road L/S	1	1	30.00	0.90		27.00	
		1	1	30.00	0.90		27.00	
		1	1	13.00	0.90		11.70	
					Total Qty		806.40	Sqm
4	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH I Chapter 3(PW,P& IWTD SR 2018-19, Pg No 143 Item No. 19.1)							
	EXCAVATION FOR KERB							
	4th main road	1	1	30.00	0.20	0.10	0.60	
		1	1	30.00	0.20	0.10	0.60	

28/03/20

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MEASUREMENTS CONTINUED ON 1/04/20

BOQ Item	Description Of item of work	Measurements					
		Length	Breath	Depth	Qty	Unit	
1	2	5	6	7	8	9	
21	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (PW,P& IWTD SR 2018-19, Pg No 27 Item No.5.30)						
	4th main road	1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	26.00		58.00	
	5th main road	1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	30.00		67.00	
		1	1	23.00		51.00	
	6th main road L/S	1	1	30.00		67.00	
		1	1	24.00		53.00	
		1	1	26.00		58.00	
		1	1	24.00		53.00	
		1	1	26.00		58.00	
		1	1	26.00		58.00	
		1	1	20.00		44.00	
		1	1	30.00		67.00	
		1	1	12.00		27.00	
	6th main road R/S	1	1	30.00		67.00	
		1	1	24.00		53.00	
		1	1	26.00		58.00	
		1	1	24.00		53.00	
		1	1	26.00		58.00	
		1	1	26.00		58.00	
		1	1	20.00		44.00	
		1	1	30.00		67.00	
		1	1	12.00		27.00	
					Total Qty	1883.00	Nos

3/04/20

Assistant Engineer-14

Assistant Executive Engineer
T Dasarahalli Sub- Division
BBMP

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 056

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SOQ Item	Description Of item of work	Nos		Measurements Length	Breath			Depth	Qty	Unit
1	2	3	4	5	6			7	8	9
		1	1	20.00	5.20	+	5.00	0.040	4.08	
					2					
		1	1	30.00	5.00	+	5.00	0.040	6.00	
					2					
		1	1	12.00	5.00	+	4.80	0.040	2.35	
					2					
				Total Qty					81.50	Cum
21	KSRRB M800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications,MORTH Chapter 8 (PW,P& IWTD SR 2018-19, Pg No 180, Item No. 4.1									
	4th main road	1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	26.00	0.35				9.10	
	5th main road	1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	30.00	0.35				10.50	
		1	1	23.00	0.35				8.05	
	6th main road L/S	1	1	30.00	0.35				10.50	
		1	1	24.00	0.35				8.40	
		1	1	26.00	0.35				9.10	
		1	1	24.00	0.35				8.40	
		1	1	26.00	0.35				9.10	
		1	1	26.00	0.35				9.10	
		1	1	20.00	0.35				7.00	
		1	1	30.00	0.35				10.50	
		1	1	12.00	0.35				4.20	
	6th main road R/S	1	1	30.00	0.35				10.50	
		1	1	24.00	0.35				8.40	
		1	1	26.00	0.35				9.10	
		1	1	24.00	0.35				8.40	
		1	1	26.00	0.35				9.10	
		1	1	26.00	0.35				9.10	
		1	1	20.00	0.35				7.00	
		1	1	30.00	0.35				10.50	
		1	1	12.00	0.35				4.20	
				Total Qty					295.75	Nos

Assistant Engineer-14 9/04/20

Assistant Executive Engineer
T Dasarahalli Sub- Division
BBMP

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 056

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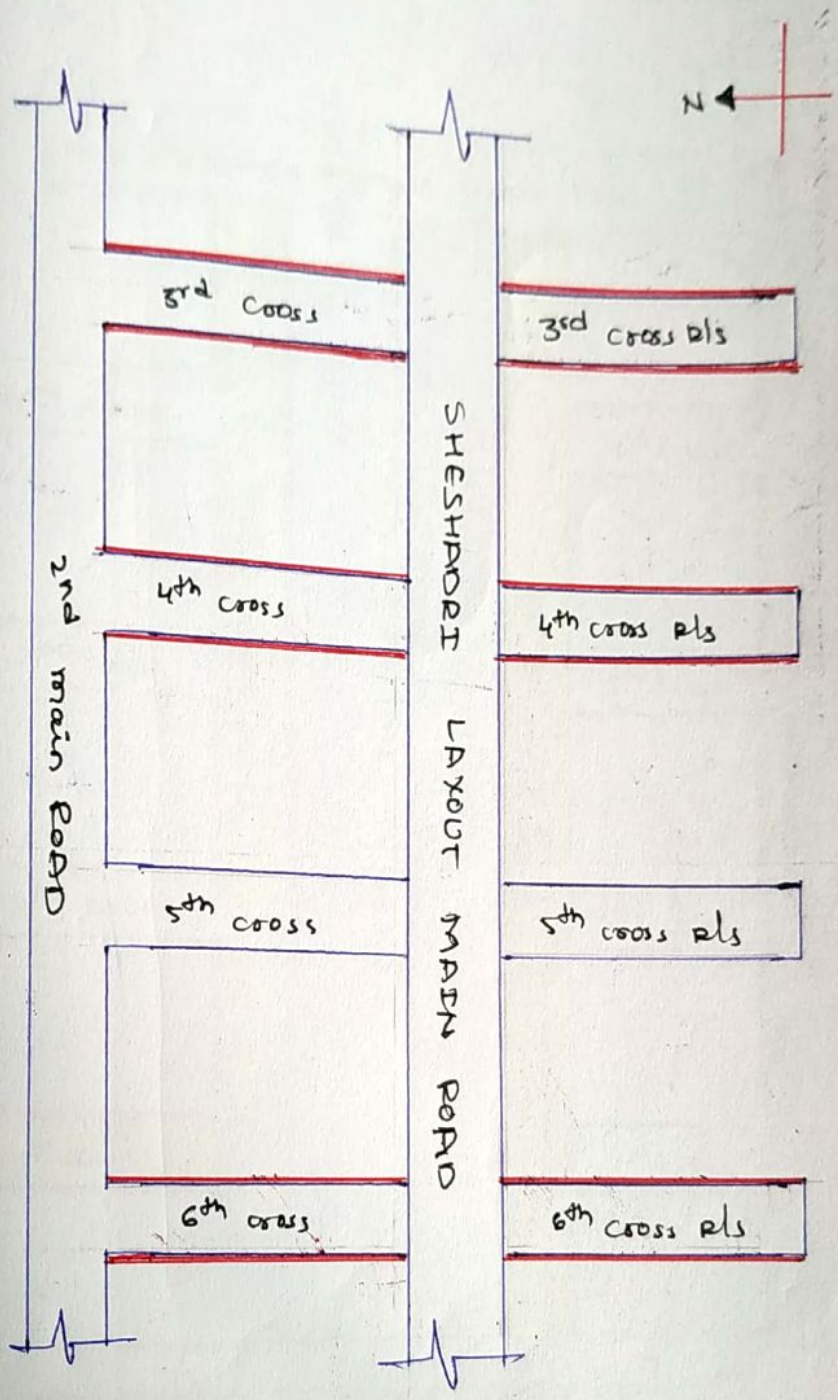
OVEMENTS TO ROADS AND DRAINS AT MAHALAKSHMI NAGAR IN WARD 14, BAGALAGUNTE, ASARAHALLI-SUB-DIVISION, SL. NO. 06, G.O. NO. 88,



■ Desilting of Drains

ಸಹಾಯಕ ಅಭಿಯಂತರರು

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ

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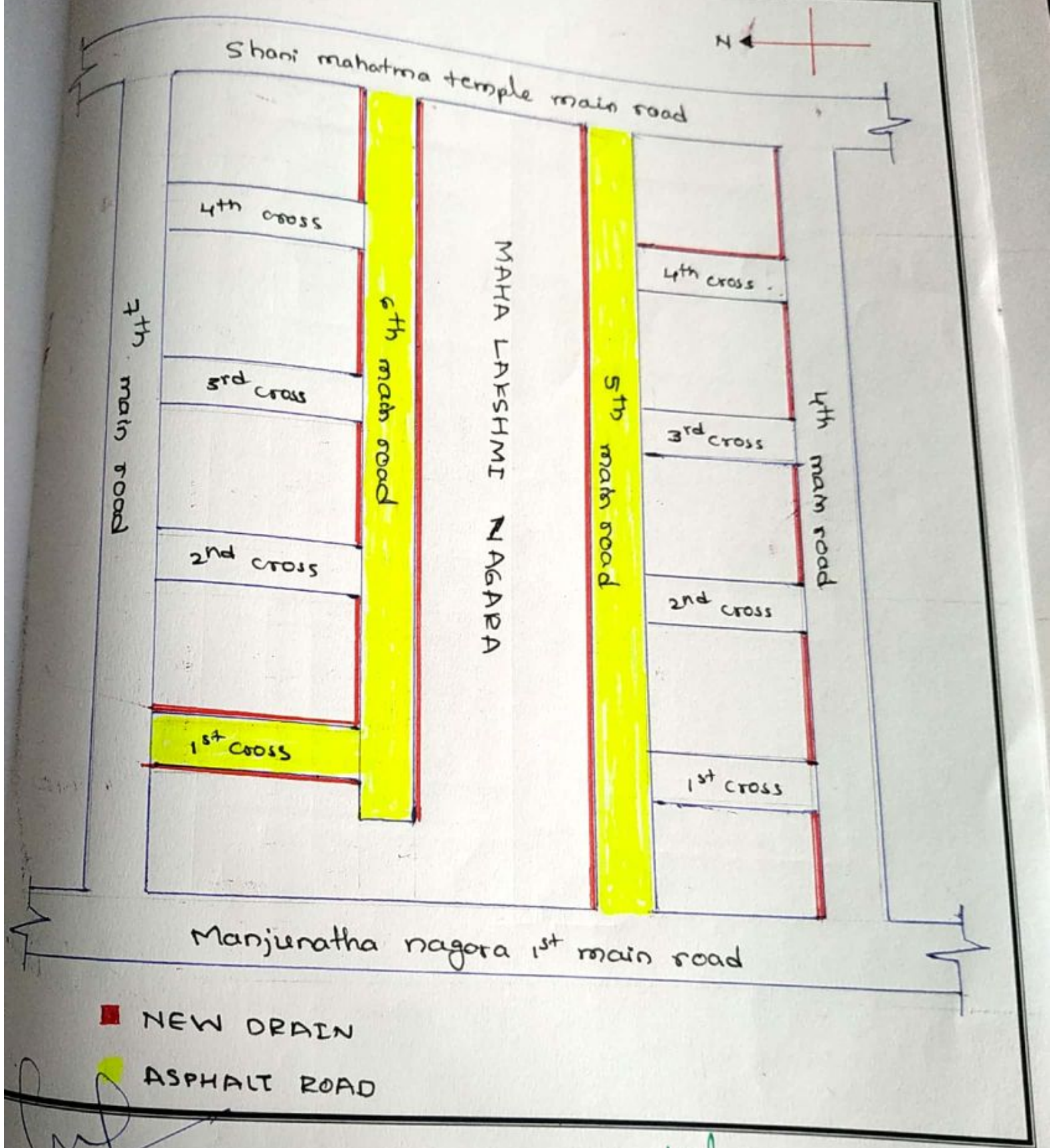
OVEMENTS TO ROADS AND DRAINS AT MAHALAKSHMI NAGAR IN WARD
14, BAGALAGUNTE, ASARAHALLI-SUB-DIVISION, SL. NO. 06, G.O. NO. 88,

VARD
. 88,



ಅಭಿಯಂತರರು

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ

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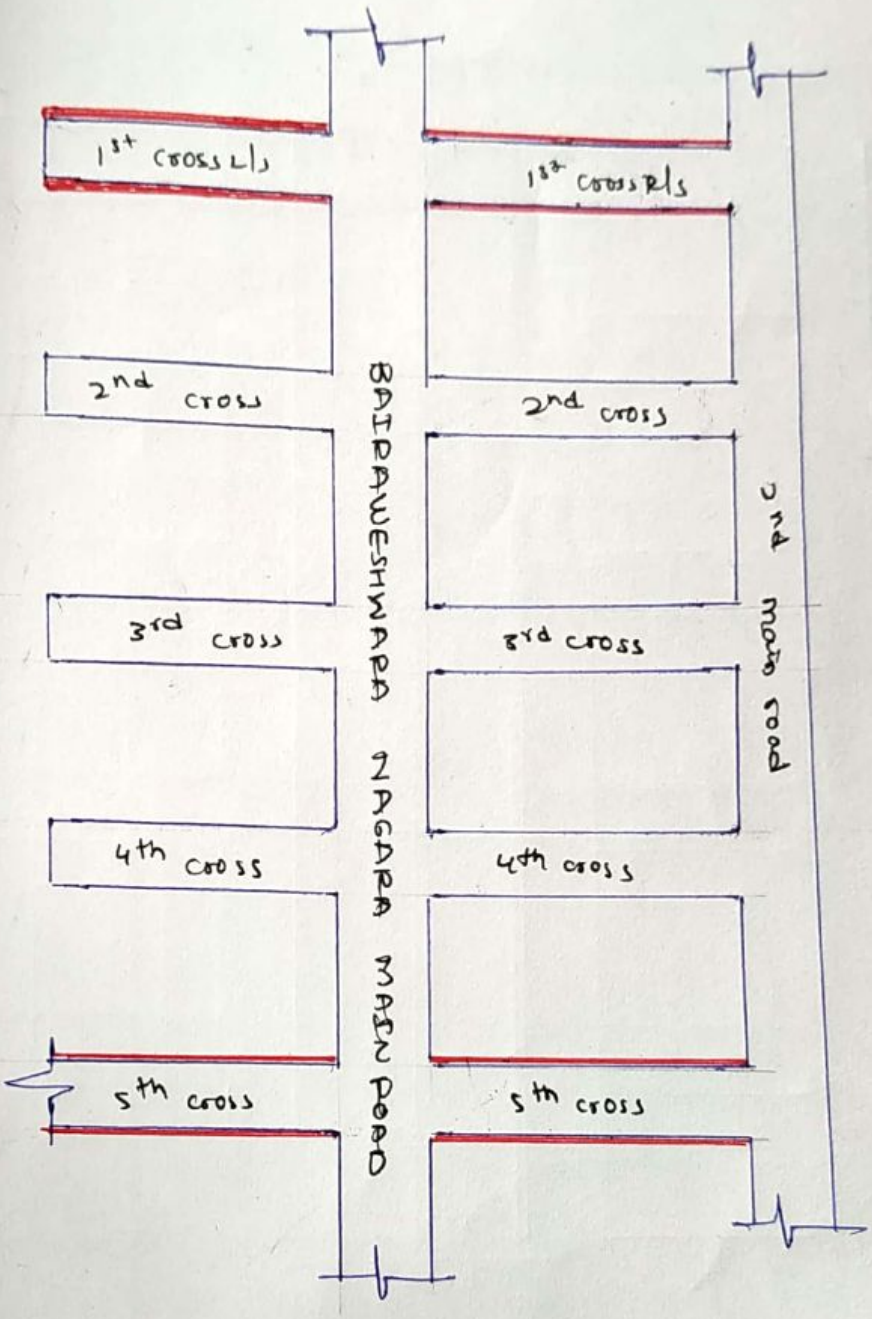
...OVEMENTS TO ROADS AND DRAINS AT MAHALAKSHMI NAGAR IN WARD ...14, BAGALAGUNTE, ASARAHALLI-SUB-DIVISION, SL. NO. 06, G.O. NO. 88,

...VARD
...88,



■ Desilting of Drain

...ಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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